

WHAT IS CLAIMED IS:

1 1. A device for the advancement of bars, particularly  
 2 *Suba17* narrow bars, in automatic loaders provided with a loading  
 3 system for a plurality of bars, with a mechanism for the  
 4 individual release of said bars, and with a pusher provided  
 5 with a collet which is adapted to receive the rear end of a  
 6 released bar, comprising: guiding means, whereon supporting  
 7 elements for a bar released from said system and a carriage  
 8 provided with grip elements for said bar are slideable, said  
 9 carriage being actuated between an initial position, where  
 10 said grip elements are actuated so as to grip a bar  
 11 deposited on said supporting elements, and a final position,  
 12 where said bar is released by said grip elements after  
 13 inserting the pusher in the collet and is secured in the  
 14 spindle of an automatic lathe, said pusher being supported  
 15 so as to move parallel to itself; and means for locking and  
 16 actuating said pusher after said carriage between an offset  
 17 position and a position where it is aligned with the bar  
 18 deposited on said supporting elements when said carriage is  
 19 in the final position.

1 2. A device according to claim 1, comprising: a flat  
 2 plate articulated on said carriage and adapted to oscillate  
 3 between a position for abutment on said bar and an inactive  
 4 position; and a sensor mounted on said flat plate and  
 5 adapted to detect the abutment of said flat plate against  
 6 one end of said bar and to activate said grip elements to  
 7 grip said bar; said flat plate being retained in said  
 8 abutment position by a lever which is articulated on said  
 9 carriage and is controlled by a cam, said cam being adapted

1 7. A device according to claim 6, wherein said guide is  
2 rotatably supported and said pusher is connected to said  
3 flexible traction element by means of a flap which is guided  
4 through a slot of said guide, said guide being actuated by a  
5 fluid-actuated jack between said offset and aligned

6 positions of said pusher with respect to said bar.

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